

PI 534510 to 534519-continued

- PI 534515 **origin:** United States. **pedigree:** Dekap(CIho 3351)\*7/Engleawnless(CIho 2505). **other id:** CIho 16580. **other id:** MT 9513. **other id:** GP-110. **group:** CSR-BARLEY. **remarks:** Two row awned derived (1klk) selection from F3 backcross generation. Provides a measure of genetic similarity between backcross material and recurrent parent. Annual. Breeding Material. Seed.
- PI 534516 **origin:** United States. **cultivar:** RIDAWN. **pedigree:** Ingrid(CIho 10083)\*7/Engleawnless(CIho 2505). **other id:** CV-172. **source:** Crop Sci. 20(4):0549 1980. **group:** CSR-BARLEY. **other id:** MT 9503. **other id:** CIho 15772. **remarks:** Two row awnless (short awned) isogenic line in which Lk gene was transferred from Engleawnless. Line has cytoplasm and 99% of genes of recurrent parent. Annual. Cultivar. Seed.
- PI 534517 **origin:** United States. **pedigree:** Engleawnless(CIho 2505)/7Ingrid(CIho 10083. **other id:** CIho 16582. **other id:** GP-112. **group:** CSR-BARLEY. **remarks:** Two row awned derived (1klk) selection from F3 backcross generation. Provides a measure of genetic similarity between backcross material and recurrent parent. Annual. Breeding Material. Seed.
- PI 534518 **origin:** United States. **pedigree:** Engleawnless(CIho 2505)\*7/Betzes(CIho 6398). **other id:** MT 93615. **other id:** GP-113. **group:** CSR-BARLEY. **remarks:** Two row awned isogenic line in which the lk gene was transferred from Betzes. Awns about 15cm long. Annual. Breeding Material. Seed.
- PI 534519 **origin:** United States. **pedigree:** Engleawnless(CIho 2505)\*7/Betzes(CIho 6398). **other id:** MT 93616. **other id:** GP-114. **group:** CSR-BARLEY. **remarks:** Two row awnless (short awned) derived iosgenic line. Awnes 0 to 2cm long. Normal barley sterility. Annual. Breeding Material. Seed.

PI 534520 to 534529. *Abelmoschus esculentus* (L.) Moench MALVACEAE  
Okra

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